

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---------------------------|------------------|---------|---------------------|
| L1 | 1 | ("4,931,240").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/08/30 12:50 |
| L2 | 13 | ("3647511" "3895084" "3944686" "3949106" "4178413" "4318948" "4396663").PN. OR ("4931240").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2011/08/30 12:50 |
| L3 | 43 | ("3317338" "3379555" "3692565" "3725110" "3829327").PN. OR ("3944686").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2011/08/30 12:59 |
| L4 | 2 | l3 and (gradient) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2011/08/30 13:04 |
| L5 | 1 | ("4137627").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/08/30 14:08 |
| L6 | 1 | ("20020080558").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/08/30 14:29 |
| L7 | 1 | l6 and (gradient or layers) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2011/08/30 14:30 |
| L8 | 0 | l6 and (layer with (multiple or plurality)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2011/08/30 14:30 |
| L9 | 1 | l6 and (density) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2011/08/30 14:30 |
| L10 | 1 | ("20030054253").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/08/30 14:31 |
| L11 | 1 | ("20050233203").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/08/30 14:44 |
| L12 | 17 | @pd<"20030715" and (current collect\$3 same (glass or ceramic) same (support near2 (layer or material))) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2011/08/30 14:55 |
| L13 | 7 | @pd<"20030715" and (current collect\$3 same (glass or ceramic) same (support near2 (layer or material))) and battery | US-PGPUB; USPAT; USOCR | ADJ | ON | 2011/08/30 14:56 |
| L14 | 16 | @pd<"20030715" and (current collect\$3 same (glass or ceramic) same (support\$3 near2 (layer or material))) and battery | US-PGPUB; USPAT; USOCR | ADJ | ON | 2011/08/30 14:57 |

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| L15 | 18 | @pd< "20030715" and (current collect\$3 same (glass or ceramic) same ((support\$3 or backing) near2 (layer or material))) and battery | US-PGPUB; USPAT; USOCR | ADJ | ON | 2011/08/30 14:57 |
| L16 | 1 | ("20060099507").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/08/30 15:01 |
| L17 | 1 | ("20050118504").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/08/30 15:06 |
| L18 | 86 | @pd< "20030715" and (anode or cathode or electrode) and (carbon) same "no binder" | US-PGPUB; USPAT; USOCR | ADJ | ON | 2011/08/30 15:07 |
| L19 | 16 | @pd< "20030715" and (anode or cathode or electrode) and ((carbon) same "no binder") and (gradient or (multiple near2 layers) or (plurality near2 layers)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2011/08/30 15:09 |
| L20 | 35 | @pd< "20030715" and (current collect\$3 same (glass or ceramic) same ((support\$3 or backing) near2 (layer or material))) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2011/08/30 15:20 |
| L21 | 17 | @pd< "20030715" and (current collect\$3 same (glass or ceramic) same ((support\$3 or backing) near2 (layer or material))) not l15 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2011/08/30 15:20 |
| S1 | 10814 | (electrode same substrate same carbon) and @pd< "20040715" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/03/05 15:35 |
| S2 | 1796 | (electrode with substrate with carbon).ab. and @pd< "20040715" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/03/05 15:36 |
| S3 | 163 | (electrode with substrate with carbon with (rod or sponge or fiber or network)).ab. and @pd< "20040715" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/03/05 15:36 |
| S4 | 34 | ((fuel cell or batter\$4) with electrode with substrate with carbon with (rod or sponge or fiber or network)).ab. and @pd< "20040715" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/03/05 15:38 |

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| S5 | 4 | "4292318" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/03/05 15:46 |
| S6 | 0 | (Layered carbon electrodes for use in, for example, Capacitive Deionization). ab. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/03/05 15:47 |
| S7 | 3 | (Layered carbon electrodes).ab. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/03/05 15:48 |
| S8 | 0 | ((fuel cell or batter\$4) with electrode with substrate with carbon with (rod or sponge or fiber or network) with (without binder)). ab. and @pd<"20040715" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/03/05 15:50 |
| S9 | 0 | ((fuel cell or batter\$4) same (carbon material deposited on substrate)). ab. and @pd<"20040715" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/03/05 15:58 |
| S10 | 4 | ((fuel cell or batter\$4) same (carbon with material with deposited with substrate)). ab. and @pd<"20040715" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/03/05 15:58 |
| S11 | 2 | ((fuel cell or batter\$4) same (carbon with material with deposited with substrate)). ab. and (fiber or rod or sponge or network or three-dimensional or 3-D) and @pd<"20040715" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/03/05 16:04 |
| S12 | 27 | ((fuel cell or batter\$4) same (carbon with material with deposited with substrate))and @pd<"20040715" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/03/05 16:11 |
| S13 | 0 | ((fuel cell or batter\$4) same (carbon with deposit \$5 with substrate with (platinum particles or palladium particles))). ab. and @pd<"20040715" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/03/05 16:13 |

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| S14 | 3 | ((fuel cell or batter\$4) same (carbon with deposit \$5 with substrate with (platinum or pt or palladium or pd or ruthenium or ru))).ab. and @pd< "20040715" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/03/05 16:14 |
| S15 | 0 | "140" mesh particle diameter | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/08/18 15:32 |
| S16 | 109 | "140" mesh with diameter | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/08/18 15:32 |
| S17 | 10 | "140" mesh with average diameter | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/08/18 15:32 |
| S18 | 1 | @pd< "20030715" and (electrode active with diameter with optimiz\$5) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/08/18 16:01 |
| S19 | 1 | "3281819" | JPO; DERWENT | ADJ | ON | 2010/04/09 11:17 |
| S20 | 2 | "11250900" | JPO; DERWENT | ADJ | ON | 2010/04/09 11:17 |
| S21 | 1 | "60235419" | JPO; DERWENT | ADJ | ON | 2010/04/09 11:17 |
| S22 | 26 | @pd< "20040715" and (current collect\$3 same (carbon or graphite) same ("no binder")) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2010/04/09 11:19 |
| S23 | 5 | @pd< "20040715" and (current collect\$3 same (carbon or graphite) same ("no binder")) and ((carbon or graphite) same density) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2010/04/09 11:19 |
| S24 | 13 | @pd< "20040715" and (current collect\$3 same (carbon or graphite) same ("no binder")) and ((carbon or graphite or electrode) same (pores or porosity or porous)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2010/04/09 11:31 |
| S25 | 0 | @pd< "20040715" and (electrode active material with gradient with (porosity or density or porous or pores)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2010/04/09 11:38 |
| S26 | 0 | @pd< "20040715" and (electroactive material with gradient with (porosity or density or porous or pores)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2010/04/09 11:38 |

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| S31 | 327 | @pd< "20040715" and ((electroactive material or active material or carbon) with gradient with (density or pores or porous or porosity or void)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/04/12 13:55 |
| S32 | 3 | @pd< "20040715" and ((electroactive material or active material or carbon) with gradient with (density or pores or porous or porosity or void)) and (carbon with (active material or electroactive material)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/04/12 13:56 |
| S33 | 36 | ("3423247").URPN. | USPAT | ADJ | ON | 2010/04/12 14:01 |
| S34 | 0 | ("200200283380").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/04/12 14:02 |
| S35 | 1 | ("20020028380").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/04/12 14:02 |
| S36 | 1 | ("20020080558").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/10/15 18:59 |
| S37 | 1 | S36 and binder | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/10/15 19:01 |
| S38 | 1 | S36 and (density or porosity or porous or pores) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/10/15 19:02 |
| S39 | 1 | ("20030054253").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/10/15 19:02 |
| S40 | 0 | 60-235419 | JPO; DERWENT | ADJ | ON | 2010/10/15 19:03 |
| S41 | 2 | "60235419" | JPO; DERWENT | ADJ | ON | 2010/10/15 19:03 |
| S42 | 2 | "07320987" | JPO; DERWENT | ADJ | ON | 2010/10/15 19:04 |
| S43 | 2 | "11250900" | JPO; DERWENT | ADJ | ON | 2010/10/15 19:05 |
| S44 | 1 | "3281819" | JPO; DERWENT | ADJ | ON | 2010/10/15 19:06 |
| S45 | 3 | "2002358965" | JPO; DERWENT | ADJ | ON | 2010/10/15 19:07 |
| S46 | 2 | "2003137547" | JPO; DERWENT | ADJ | ON | 2010/10/15 19:07 |
| S47 | 2 | "2003176133" | JPO; DERWENT | ADJ | ON | 2010/10/15 19:08 |
| S48 | 2 | "4931240" | JPO; DERWENT | ADJ | ON | 2010/10/15 19:10 |

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| S49 | 1 | ("4931240").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/10/15 19:10 |
| S50 | 13 | ("3647511" "3895084" "3944686" "3949106" "4178413" "4318948" "4396663").PN. OR ("4931240").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/10/15 19:10 |
| S51 | 1 | ("20020028380").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/10/15 19:14 |
| S52 | 3 | ("2002/0028380").URPN. | USPAT | ADJ | ON | 2010/10/15 19:14 |
| S53 | 4 | (current collect\$3 with deposit\$3 with carbon same (binder near3 ("no" or "without" or lack\$3))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2010/10/15 19:16 |
| S54 | 352 | (current collect\$3 with deposit\$3 with carbon) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2010/10/15 19:18 |
| S55 | 35 | (current collect\$3 with vapor deposit\$3 with carbon) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2010/10/15 19:18 |
| S56 | 14 | (current collect\$3 with vapor deposit\$3 with carbon) and @pd< "20040715" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2010/10/15 19:19 |
| S57 | 7 | (current collect\$3 with vapor deposit\$3 with carbon) and @pd< "20040715" and (density) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2010/10/15 19:20 |
| S58 | 1 | ("20020028380").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/10/15 19:39 |
| S59 | 1 | ("20030122983").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/10/15 20:35 |
| S60 | 1 | ("4931240").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/08/26 14:13 |
| S61 | 1 | S60 and (anode or negative) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2011/08/26 14:14 |

EAST Search History (I nterference)

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